

Complexin1 Recombinant Protein | CPLX1 recombinant protein

Complexin1, 1-134aa, Human, His tag, E Coli

CATALOG # AAA48488	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

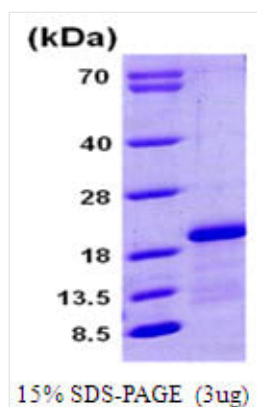
PRODUCT SYNONYMS

Complexin1; 1-134aa; Human; His tag; E Coli; CPXL1; CPX1; Synaphin-2; Complexin 1; Complexin I; Synaphin 2; ; CPLX1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSSLVPRGSH MEFVMKQALG GATKDMGKML GGDEEKDPDA AKKEEERQEA LRQAEERKA KYAKMEAERE AVRQGIRDKY GIKKKEEREA EAQAAMEANS EGSLTRPKKA IPPGCGDEVE EEDESILDTV IKYLPGPLQD MLKK
Sequence Length	134
Applicable Applications for CPLX1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CPLX1 recombinant protein	Complexin1 belongs to a family of SNARE complex binding proteins that were suggested to be either facilitators or inhibitors of vesicle exocytosis. Complexin 1 exhibits reduced Ca2+-triggered fast neurotransmitter release at hippocampal glutamatergic synapses, indicating that this protein is a positive regulator of transmitter release. In contrast, it inhibits SNARE-mediated liposome and cell fusions in vitro, which lead to the hypothesis that it acts as fusion clamps of synaptic exocytosis. Recombinant Complexin 1 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CPLX1 recombinant protein	Neuroscience
References	Salimi K, et al. (2008) Synapse, 273-82; Giraudo CG, et al. (2006) Science, 676-80; Tang J, et al. (2006) Cell, 1175-87;

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729781
NCBI GeneID	10815
NCBI Accession #	NP_006642
NCBI GenBank Nucleotide #	NM_006651.3
UniProt Accession #	O14810; A6NI80; B2R4R5; D3DVN3; F1T0G1
Molecular Weight	17.1 kDa (154 aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)
NCBI Official Full Name	complexin-1
NCBI Official Synonym Full Names	complexin 1
NCBI Official Symbol	CPLX1
NCBI Official Synonym Symbols	CPX1; CPX-I
NCBI Protein Information	complexin-1
UniProt Protein Name	Complexin-1
UniProt Gene Name	CPLX1
UniProt Synonym Gene Names	CPX I

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cplx1-recombinant-protein-e-coli-sds-page/48488>